

From glowbugs@theporch.com Fri Jun 7 22:09:08 1996  
Return-Path: glowbugs@theporch.com  
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Date: Fri, 7 Jun 1996 22:05:53 -0500 (CDT)  
Message-Id: <199606080305.WAA02460@uro.theporch.com>  
Errors-To: ws4s@midtenn.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 210  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
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#### GLOWBUGS Digest 210

Topics covered in this issue include:

- 1) Simple BA Antenna for the BA 80M QRG  
by rdkeys@csemail.cropsci.ncsu.edu

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Date: Fri, 7 Jun 1996 13:33:56 -0400 (EDT)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: boatanchors@theporch.com, glowbugs@theporch.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu ()  
Subject: Simple BA Antenna for the BA 80M QRG  
Message-ID: <9606071733.AA102278@csemail.cropsci.ncsu.edu>

Some simple thoughts from simpleminded ol' BA Pfarte No. 1 DE NA4G/Bob BT

For thouse of youse folks whos want's to get simply upon the ol BA/GB  
80M QRG, you might try the following very simple antenna.....

It is called the 66 up and 66 out, patterned after a 30's simple  
design called the 33 up and 33 out for 40 meters.

1. Antenna --- 66 feet of Heavy Boatanchorite Antenna Material Class 1A,  
(call it about No. 14 Copperweld Wire or equivalent strength)  
(I use Coax cable and short the braid and center conductor  
at both ends). Let your conscience be your guide since  
anything from about 45 feet to 99 feet will work just  
fine in most instances.

2. Counterpoise --- 66 likewise feeten o' similar old coax (what better use for olden coaxe de junque boxen). Anything from 45 feet to 99 feet will work just fine in most all instances.
3. Ground --- at least one good 8 foot ground just outside the shack, to which aforesaid counterpoise wires are clipped using 50 amp alligator clippies.
4. Rig to tuner --- any short short short short short length of coax if coax is used, or just skip if you don't need a tuner.
5. Tuner --- take of one goodly piece of 2 inche plumbing pipe, of black or white plastic about one foot thereof. Winde ye upon about some small measure of about 30-35 turns of No. 14 black single strand solid copper wire to make the L section coil. Take of the junque boxen capacitorien, any goodly size of about 1/16 to 1/8 inche spacing with somewhere in the neighborhood of 20 or so plates (anything from 15-30 should work just fine --- if ye be of a particular nature, try for some 150 of the second smalle parte of the farad (called mikey-mikey-mikes in some circles or pico pfarades in others). Series the coil and capacitor and run the coil end to the rig and the capacitor end to the antenna. Mount some goodly way with insulatoring materials upon a breadboard or like surface. If cheape ye be, and nothing be wrong in that, take and winde ye your coil upon a tin can, removing the tin can and tape ye your coil into shape. In a similar manner maketh ye yer capacitor from two plates of metal separated by a sheete of clearest window pane, sliding said metal plates over each other to adjuسته capacitorishness. Simple it may be, but worketh in the finest manner it will.\*\*
6. Tuner to Antenna Feedthrough --- use a goodly board or hole cut into an adjacent window pane for an exit. Take care to provide proper grounding of the antenna when not in use by means of a goodly 50 amp aligator clippie and heavy wire down to the ground (No. 10 solid copper will do, or use another coax braid and center conductor).
7. Tuning Indicator --- use ye a fine field strength meter of simplest design and tune ye for maximum output in the field. When said maximum occurs ye be transferring maximum ether burning to aforementioned antenna and counterpoise.

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\*\* Note.... me CW mentor did just this simple method using glass and metal plates and free hanging coil, whilst in college, with great success.

Simplicity in radio is still a virtue, and still works as good as it did in the earliest days.

Now, string the antenna up to the nearest tree or post or something about 20 feet high at the far end, minimally, and a goodly time will ye have upon the watch, with the Boatanchorite/Glowbuggite crowd on the BA/GB Net.

QTR 0000/0100 Z QRG 7050 KHZ  
QTR 0200/0300/0400/0500/0600 Z QRG 3579.545 KHZ

This really, really does work, just fine. If you want to use it on the 40 meter QRG, put the capacitor from the coil to ground and move the antenna to the junction of the coil and capacitor.

If you only want 40 meters, then cut the coil in half and likewise the antenna and counterpoise wires.

Nothing could be simpler.

See you all on the BA/GB net this weekend!

73/ZUT DE NA4G/Bob UP

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End of GLOWBUGS Digest 210

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